

so as to prevent pollution of the underground water strata. A complaint against an open reservoir at San Carlos was referred to the sanitary inspectors. Another complaint was received against the poor grade of water in Grass Valley.

Special Mention.—Considerable time was spent on a new water supply for Locke, where recently a serious typhoid outbreak was traced to leakage of sewage into the water-supply well. An extensive survey into the condition of Monterey Bay as a source of water supply for the sardine canneries, was started by the Bureau this month. Tule River was surveyed on account of complaints of pollution by resorts. National Ice and Cold Storage Company bottled water, San Francisco, was inspected on request of the United States Public Health Service for use on common carriers. Further tests were made on Lake Elsinore in connection with the heavy algae infestation that has affected this lake for several months. A communication was addressed to the water department of San Francisco, with respect to covers on the city reservoirs.

Routine Inspections.—Routine inspections made at Santa Cruz, Napa State Hospital, and Sacramento filtration plant.

Mosquitoes.—Advice was given on mosquito control in Bakersfield and Marysville.

Shellfish.—After considerable effort, some men who were digging clams from highly polluted mud flats near San Quentin Prison were apprehended and the case dealt with through the Division of Fish and Game. Several sources of shellfish in San Francisco and Los Angeles were inspected for approval for use on interstate carriers, at the request of the United States Public Health Service. Difficulty with the safety of clams shipped from Oregon required considerable investigation and correspondence with the Oregon State Health Officer. Clams and other shellfish were checked up on in Marin County, Richmond, San Rafael, and San Francisco markets. The Bureau is endeavoring to get certain sewers in South San Francisco changed so as not to menace oyster beds in that locality.

Swimming Pools.—Swimming-pool filters were discussed for an orphanage near Danville, also an unusual pool proposed in Contra Costa County. Plans for severing a cross-connection in the swimming pool at Beverly Hills were submitted and reviewed.

Miscellaneous.—A comprehensive paper by Abel Wolman, Chairman, National Water Resources Committee on Federal Activities in this field, was discussed by the Bureau at Los Angeles. Also two papers on sewage-disposal subjects were prepared for the University of Southern California Civic Training School. Several conferences were necessary in connection with the question over the status of public health engineers under the Engineers Registration Act. A conference was held with the Public Health Service over the future certification of waters used on common carriers. The Bureau is finding that this is becoming a very time-consuming chore. At the request of the City Health Officer of Berkeley, rinse waters in several laundries were studied for contamination and other characteristics, with a view to possible regulation. A report on sewage disposal in the central valleys was prepared for the Central Valleys Water Project. Considerable time was spent in preparing for instruction to be given by the Bureau at a sanitary school to be held at the University of California in July and August.

Laboratory.—Rendered opinion on 139 samples of water, fourteen samples of oysters, and two samples of clams.

BUREAU OF VITAL STATISTICS

More Births.—During the first four months of 1936 there were 26,250 births registered in California, as compared with 25,495 such events registered during the first four months of 1935. This represents a gain of 755 births.

More Marriages.—During the first five months of 1936 there were 20,604 marriages performed in California, as compared with 19,419 during a similar period of 1935. This represents a gain of 1,185 marriages.

Search of Records.—There were 1,567 searches of vital statistical records made by the Bureau during June and 620 certifications were sent out. The balance of the searches represent verifications and affidavits to amend records already on file.

BUREAU OF CHILD HYGIENE

Activities.—The Chief of the Bureau of Child Hygiene spent ten days out of the State attending the conference of Chiefs of Bureaus of Child Hygiene in Washington, D. C., under the auspices of the Federal Children's Bureau. At this conference material was presented for building new programs for maternal and child health. During the course of the conference the Chief spoke to its members on the California plan for health supervision of the children of migratory families. She discussed the supervision and administration of bedside nursing delivery service with the group at Maternity Center Association in New York, which has had this type of program in active service for some years. She also visited two full-time county health units in Kentucky to observe the interrelationship of child health with the full-time health unit there.

After returning, the Chief made field trips in order to organize the work for the new staff being added to the Bureau, and had many staff conferences with members, outlining and planning their work. On these field trips a two-day health conference was conducted at which eighty-five children were examined. A pediatrician joined the staff on June 2. She spent three days in the office during the course of the month, discussing with the Chief plans of work and arranging necessary materials. During the rest of the month she visited nine counties, inspecting six hospitals with maternity departments, four homes, and two county hospitals. In addition, she conducted fourteen child health conferences, examining 374 children, working with eleven nurses, and interviewing four health officers. A public health nurse joined the staff on June 15 and was assigned, temporarily, to the inspection of maternity homes and hospitals. She visited three counties during the course of which she made five investigations and inspected four licensed maternity homes and five licensed hospitals. During the month, distribution was made of 3,859 pieces of literature included in which were 373 sets of postnatal letters and 517 sets of prenatal letters.

BUREAU OF TUBERCULOSIS

Activities of the Chief.—During June the Chief of this bureau inspected the following tuberculosis hospitals: Olive View and Los Angeles General in Los Angeles County, Santa Barbara County Hospital, Monterey County Hospital, Santa Clara County Hospital, the San Francisco Hospital, the San Mateo County Hospital, and the Hassler Health Farm.

Meetings were held with the County Board of Supervisors of Monterey County and with the boards of supervisors of Tulare and Kings counties. Many conferences were held with health officers, county physicians, school executives, and other officials. A large part of the Chief's time was devoted to preparation for a survey of migratory labor in California, with special reference to tuberculosis problems among migrants. Statistical reports of tuberculosis morbidity and mortality in Monterey County were prepared. Preliminary reports of conditions pertaining to the health of migratory laborers in Riverside and Kern counties were received.

HEALTH OFFICERS OF THE STATE OF CALIFORNIA BY COUNTIES

June 15, 1936

Alameda County.....	Dr. I. O. Church, Oakland
Alameda.....	Dr. Peter Paul Baron
Albany.....	Dr. Jack L. Stein
Berkeley.....	Dr. Frank L. Kelly
Emeryville.....	Dr. Charles Newell Mell
Hayward.....	Nelson E. Clemens, D. V. M.
Livermore.....	Dr. Paul E. Dolan
Oakland.....	Dr. N. N. Ashley
Piedmont.....	Dr. Harry J. Smith
Pleasanton.....	Dr. D'Arcy Chace
San Leandro.....	Under County Supervision

Alpine County

Amador County.....Dr. J. M. Wakefield, Sutter Creek
 Amador City.....Mr. Ben White
 Jackson.....Mr. Earl J. Garberini
 Plymouth.....Mr. Pete Laverone
 Sutter Creek.....Mr. William T. Connors

Butte County.....B. C. Epperson, D. O., Oroville
 Biggs.....Mr. Leon Brink
 Chico.....Mr. Charles E. Tovee
 Gridley.....Dr. W. S. Lavy
 Oroville.....Dr. Charles Benninger

Calaveras County.....Dr. George P. Cooper, Angels Camp
 Angels Camp.....Dr. E. W. Weirich

Colusa County.....Dr. G. W. Desrosier, Colusa
 Colusa.....Dr. G. W. Desrosier
 Williams.....Dr. Charles F. Keith

Contra Costa County.....Dr. W. A. Powell, Martinez
 Antioch.....Dr. Fred P. Nevius
 Concord.....Under County Supervision
 El Cerrito.....Dr. E. R. Jackson
 Hercules.....Under County Supervision
 Martinez.....Under County Supervision
 Pinole.....Under County Supervision
 Pittsburg.....Dr. H. E. Peters
 Richmond.....Dr. Charles R. Blake
 Walnut Creek.....Under County Supervision

Del Norte County.....Dr. Francis M. Stump, Crescent City
 Crescent City.....Dr. F. M. Stump

El Dorado County.....Dr. A. A. McKinnon, Placerville
 Placerville.....Mr. James P. Morton

Fresno County.....Dr. W. F. Stein, Fresno
 Clovis.....Dr. M. S. McMurtry
 Coalinga.....
 Firebaugh.....Mr. Frank Borrecco
 Fowler.....Mr. Retel L. H. Fearnside
 Fresno.....Dr. C. Mathewson
 Kingsburg.....Dr. Ewald A. Larson
 Parlier.....Mr. M. O. Daggs
 Reedley.....Dr. R. E. Allen
 Sanger.....Dr. Benjamin H. Viau
 San Joaquin.....Under County Supervision
 Selma.....Dr. Raymond R. Scott

Glenn County.....Dr. F. M. Lawson, Willows
 Orland.....Dr. T. H. Brown
 Willows.....Dr. Etta S. Lund

Humboldt County.....Dr. Charles C. Falk, Jr., Eureka
 Arcata.....Dr. B. Cooper
 Blue Lake.....Dr. George P. Purlenky, Arcata
 Eureka.....Dr. W. J. Quinn
 Ferndale.....Dr. O. B. Barron
 Fortuna.....Dr. H. W. Comfort

Imperial County.....Dr. Warren F. Fox, El Centro
 Brawley.....Dr. J. L. Parker
 Calexico.....Dr. W. T. Heffernan
 Calipatria.....Dr. J. A. Wallace
 El Centro.....Under County Supervision
 Holtville.....Dr. H. B. Graeser
 Imperial.....Under County Supervision
 Westmoreland.....Dr. J. N. Garner

Inyo County.....Dr. Harvey W. Crook, Bishop
 Bishop.....Dr. Harvey Crook

Kern County.....Dr. Joe Smith, Bakersfield
 Bakersfield.....Dr. P. J. Cuneo
 Delano.....Under County Supervision
 Maricopa.....Dr. K. D. Cook
 Taft.....Dr. Oran Newton
 Tehachapi.....Under County Supervision

Kings County.....Dr. Aaron S. Torrens, Hanford
 Corcoran.....Dr. J. H. Van Vorhis
 Hanford.....Dr. J. A. Crawshaw
 Lemoore.....Dr. W. P. Byron

Lake County.....Dr. Luther J. Calahan, Lower Lake
 Lakeport.....Mr. Marion L. Hendricks

Lassen County.....Dr. C. I. Burnett, Susanville
 Susanville.....Dr. George Scott Martin

Los Angeles County.....Dr. J. L. Pomeroy, Los Angeles
 Alhambra.....Under County Supervision
 Arcadia.....Under County Supervision
 Avalon.....Under County Supervision
 Azusa.....Under County Supervision
 Bell.....Under County Supervision
 Beverly Hills.....Dr. Charles F. Nelson
 Burbank.....Under County Supervision
 Claremont.....Under County Supervision

Compton City.....Under County Supervision
 Covina.....Under County Supervision
 Culver City.....Under County Supervision
 El Monte.....Under County Supervision
 El Segundo.....Under County Supervision
 Gardena.....Under County Supervision
 Glendale.....Under County Supervision
 Glendora.....Under County Supervision
 Hawthorne.....Under County Supervision
 Hermosa Beach.....Under County Supervision
 Huntington Park.....Under County Supervision
 Inglewood.....Under County Supervision
 LaVerne.....Under County Supervision
 Long Beach.....Dr. G. E. McDonald
 Los Angeles.....Dr. George Parrish
 Lynwood City.....Under County Supervision
 Manhattan Beach.....Under County Supervision
 Maywood.....Under County Supervision
 Monrovia.....Under County Supervision
 Montebello.....Under County Supervision
 Monterey Park.....Under County Supervision
 Pasadena.....Dr. Wilton L. Halverson
 Pomona.....Under County Supervision
 Redondo Beach.....Under County Supervision
 San Fernando.....Under County Supervision
 San Gabriel.....Under County Supervision
 San Marino.....Under County Supervision
 Santa Monica.....Under County Supervision
 Sierra Madre.....Under County Supervision
 Signal Hill.....Dr. V. L. Fisher, L. B.
 South Gate.....Under County Supervision
 South Pasadena.....Dr. Albert Supple
 Torrance.....Under County Supervision
 Tujunga.....Under County Supervision
 Vernon.....Dr. H. F. Becker
 West Covina.....Under County Supervision
 Whittier.....Under County Supervision

Madera County.....Dr. Lee A. Stone, Madera
 Madera.....Under County Supervision
 Chowchilla.....Dr. A. C. Atwood

Marin County.....Dr. H. O. Howitt, San Rafael
 Belvedere.....Dr. C. W. Clark, San Rafael
 Corte Madera.....Dr. L. L. Robinson, San Rafael
 Fairfax.....Dr. Bernard J. Conroy
 Larkspur.....Dr. L. L. Robinson, San Rafael
 Mill Valley.....Mr. Will Falley
 Ross.....Dr. Anne L. Brady
 San Anselmo.....Dr. Harry N. Hensler
 San Rafael.....Dr. Joseph Hawkins
 Sausalito.....Dr. C. F. Larson

Mariposa County.....Dr. John S. Webster, Mariposa
 Yosemite.....Dr. Hartley G. Dewey

Mendocino County.....Dr. H. O. Cleland, Ukiah
 Fort Bragg.....Dr. Royal Scudder
 Point Arena.....Mr. A. L. McCallum
 Potter Valley.....Under County Supervision
 Ukiah.....Dr. J. H. Hansen
 Willits.....Dr. Raymond Babcock

Merced County.....Dr. James A. Parker, Merced
 Dos Palos.....Dr. E. A. Patterson
 Gustine.....Dr. A. W. Gustafson
 Livingston.....Mr. A. Stanley Court
 Los Banos.....Dr. L. R. Hillyer
 Merced.....Dr. A. S. Parker

Modoc County.....Dr. John Stile, Alturas
 Adin.....Under County Supervision
 Alturas.....Dr. W. E. Coppedge

Mono County.....Dr. Robert K. Harker, Bridgeport

Monterey County.....Dr. Roy M. Fortier, Salinas
 Carmel.....Under County Supervision
 Kings City.....Under County Supervision
 Monterey.....Under County Supervision
 Pacific Grove.....Under County Supervision
 Salinas.....Miss Marie Fidel
 Soledad.....Under County Supervision

Napa County.....Dr. Robert S. Northrop, Napa
 Calistoga.....Mr. George C. Locey
 Napa.....C. C. Hackett, D. D. S.
 St. Helena.....Mr. C. C. Johnson

Nevada County.....Dr. Carl P. Jones, Grass Valley
 Grass Valley.....E. M. Rosener, D. V. M.
 Nevada City.....Mr. George H. Calanan

Orange County.....Dr. K. H. Sutherland, Santa Ana
 Anaheim.....Under County Supervision
 Brea.....Under County Supervision
 Fullerton.....Under County Supervision
 Garden Grove.....Under County Supervision

Huntington Beach.....	Under County Supervision	<i>Santa Clara County</i>	Dr. C. M. Burchfiel, San Jose
Laguna Beach.....	Under County Supervision	Alviso.....	Dr. J. I. Beattie, Santa Clara
La Habra.....	Under County Supervision	Gilroy.....	Under County Supervision
Newport Beach.....	Under County Supervision	Los Gatos.....	Under County Supervision
Orange.....	Under County Supervision	Mayfield.....	Mr. Louis Olsen
Placentia.....	Under County Supervision	Morgan Hill.....	Dr. R. L. Newbold
San Clemente.....	Under County Supervision	Mountain View.....	Under County Supervision
Santa Ana.....	Under County Supervision	Palo Alto.....	Mr. Louis Olsen
Seal Beach.....	Under County Supervision	San Jose.....	Dr. H. C. Brown
Tustin.....	Under County Supervision	Santa Clara.....	Under County Supervision
<i>Placer County</i>	Dr. Theodore Snypp, Auburn	Sunnyvale.....	Under County Supervision
Auburn.....	Dr. Theodore Snypp	Willow Glen.....	Under County Supervision
Colfax.....	Dr. R. C. Atkinson	<i>Santa Cruz County</i>	Dr. Samuel B. Randall, Santa Cruz
Lincoln.....	Dr. A. McArthur	Santa Cruz.....	Dr. Mahlon D. McPherson
Rocklin.....	Under County Supervision	Watsonville.....	Dr. George P. Tolman
Roseville.....	Dr. R. H. Eveleth	<i>Shasta County</i>	Dr. O. J. Hansen, Redding
<i>Phumas County</i>	Dr. John Decker, Delleker	Redding.....	Mr. Winfred Wright
<i>Riverside County</i>	Dr. W. A. Jones, Riverside	<i>Sierra County</i>	Dr. Carl C. Sutton, Downieville
Banning.....	Mr. Edward Miller	Downieville.....	Under County Supervision
Beaumont.....	Mr. H. K. Morse	Loyalton.....	Mr. Donald M. Martin
Blythe.....	Dr. W. H. Chapman	<i>Siskiyou County</i>	Dr. A. H. Newton, Yreka
Corona.....	Dr. Denver D. Roos	Dorris.....	Dr. A. B. Gray
Elsinore.....	Dr. H. Baer	Dunsmuir.....	Mr. W. J. Stevenson
Hemet.....	Dr. Leslie J. Clark	Etna.....	Dr. E. W. Bathurst
Indio.....	Dr. R. M. Gray	Fort Jones.....	Mr. J. H. Wise
Perris.....	Dr. I. W. Kellogg	Montague.....	Mr. Frank French
Riverside.....	Dr. W. A. Jones	Mt. Shasta.....	Dr. James B. McGuire
San Jacinto.....	Dr. W. L. Chilcott	Yreka.....	Dr. Charles Plus
<i>Sacramento County</i>	Dr. Hugh Beattie, Elk Grove	<i>Solano County</i>	Dr. W. C. Jenney, Vacaville
Isleton.....	Dr. J. H. Leimbach	Benicia.....	Dr. N. J. Crisp
North Sacramento.....	Dr. W. E. Weddle	Dixon.....	Mr. H. C. Grove
Sacramento.....	Dr. Herbert F. True	Fairfield.....	Dr. C. C. Purviance
<i>San Benito County</i>	Dr. L. C. Hull, Hollister	Rio Vista.....	Mr. Floyd N. Holmes
Hollister.....	Mr. Fred A. Earle	Suisun.....	Dr. A. P. Finan
San Juan Bautista.....	Mr. E. Zanetta	Vacaville.....	Mr. O. E. Alley
<i>San Bernardino County</i>	Dr. Edwin B. Godfrey, San Bernardino	Vallejo.....	Dr. E. A. Peterson
Barston.....	Under County Supervision	<i>Sonoma County</i>	Dr. P. A. Meneray, Santa Rosa
Chino.....	Dr. W. C. Miller	Cloverdale.....	Dr. D. C. Oakleaf
Colton.....	Dr. J. A. Champion	Healdsburg.....	Dr. J. Walter Seawell
Needles.....	Dr. W. G. Morton	Petaluma.....	Dr. Henry S. Rogers
Ontario.....	Dr. C. L. Emmons	Santa Rosa.....	Mr. E. J. Helgren
Redlands.....	Dr. F. H. Folkins	Sebastopol.....	Dr. Chester Marsh
Rialto.....	Dr. L. P. Barbour	Sonoma.....	Mr. H. A. Fiscus
San Bernardino.....	Dr. G. Stirling Landon	<i>Stanislaus County</i>	Dr. E. F. Reamer, Modesto
Upland.....	Dr. John B. Craig	Ceres.....	Under County Supervision
<i>San Diego County</i>	Dr. A. M. Lesem, San Diego	Modesto.....	Under County Supervision
Chula Vista.....	Dr. F. E. Ashcroft	Newman.....	Dr. A. M. Roscoe
Coronado.....	Dr. Raymond Spear	Oakdale.....	Under County Supervision
East San Diego.....	Under County Supervision	Patterson.....	Mr. C. Busengdal
El Cajon.....	Mr. Charles R. Tate	Riverbank.....	Under County Supervision
Escondido.....	Dr. C. A. S. Kemper	Turlock.....	Dr. C. E. Pearson
La Mesa.....	Under County Supervision	<i>Sutter County</i>	Dr. Francis P. Wisner, Marysville
National City.....	Under County Supervision	Yuba City.....	Dr. J. H. Barr
Oceanside.....	Under County Supervision	<i>Tehama County</i>	Dr. James L. Faulkner, Red Bluff
San Diego.....	Dr. Alex M. Lesem	Corning.....	Dr. Caroline Howes
<i>San Francisco County</i>	Dr. J. C. Geiger, San Francisco	Red Bluff.....	Dr. R. G. Frey
<i>San Joaquin County</i>	Dr. J. J. Sippy, Stockton	Tehama.....	Dr. J. H. Belyea, Los Molinos
Lodi.....	Under County Supervision	<i>Trinity County</i>	Dr. W. M. Wilson, Weaverville
Manteca.....	Under County Supervision	<i>Tulare County</i>	Dr. Elmo R. Zumwalt, Tulare
Stockton.....	Under County Supervision	Dinuba.....	Dr. P. D. Miller
Tracy.....	Under County Supervision	Exeter.....	Dr. W. L. Nichols
<i>San Luis Obispo County</i>	Dr. Allen F. Gillihan, San Luis Obispo	Lindsay.....	Dr. Annie L. Bond
Arroyo Grande.....	Under County Supervision	Porterville.....	Dr. Phillip S. Barber
Paso Robles.....	Under County Supervision	Tulare.....	Dr. W. B. Parkinson
San Luis Obispo.....	Under County Supervision	Visalia.....	Dr. Gilbert Furness
<i>San Mateo County</i>	Dr. Charles C. Gans, P. O. Box 110, Redwood City	<i>Tuolumne County</i>	Dr. William L. Hood, Sonora
Atherton.....	Mr. J. E. Farrell (Acting)	Sonora.....	Dr. William L. Hood
Belmont.....	Dr. Earl Lussier	<i>Ventura County</i>	Dr. A. A. Maulhardt, Oxnard
Burlingame.....	Dr. Matthew F. Desmond	Fillmore.....	Under County Supervision
Colma.....	Under County Supervision	Ojai.....	Under County Supervision
Daly City.....	Dr. A. A. Shagholian	Oxnard.....	Under County Supervision
Hillsborough.....	Mr. C. M. Hirschey	Santa Paula.....	Under County Supervision
Menlo Park.....	Under County Supervision	Ventura.....	J. A. DeSerpa, D. V. M.
Redwood City.....	Mr. Con Drathman	<i>Yolo County</i>	Dr. George M. Uhl, Woodland
San Bruno.....	Dr. F. Holmes Smith	Davis.....	Under County Supervision
San Carlos.....	Mr. O. W. Stewart	Winters.....	Under County Supervision
San Mateo.....	Dr. James A. Warburton	Woodland.....	Under County Supervision
South San Francisco.....	Dr. J. O. McMills	<i>Yuba County</i>	Dr. J. W. Linstrum, Marysville
<i>Santa Barbara County</i>	Dr. R. C. Main, Santa Barbara	Marysville.....	Dr. R. Hanagan, D. V. M.
Lompoc.....	Under County Supervision	Wheatland.....	Dr. F. W. Didier
Santa Barbara.....	Dr. C. T. Roome		
Santa Maria.....	Under County Supervision		